

ABSTRACT OF THE DISCLOSURE

A process for isomerizing ethylbenzene into xylenes such as para-xylene using a bimetallic zeolitic catalyst system based on MTW-type zeolite is disclosed. Preferably the two metals are platinum and tin. The invention obtains a stable and improved yield of
5 xylenes such as para-xylene without excess benzene production by dealkylation. The zeolitic silica-to-alumina ratio ranges from 20 to 45. Use of MTW substantially free of mordenite improves yields and integrated aromatics complex economics by reducing undesirable aromatic ring-loss reactions.